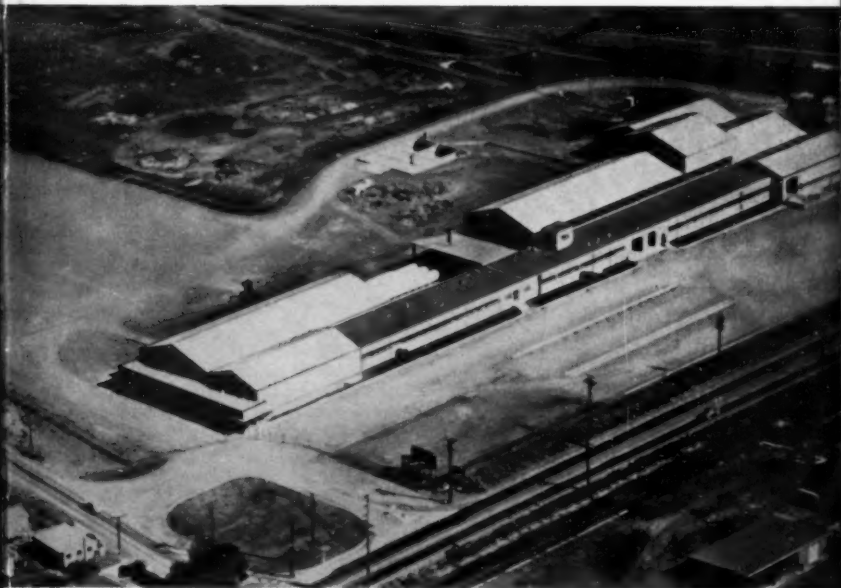


# ASBESTOS



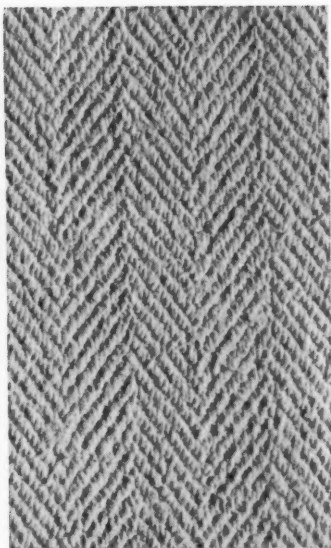
*Plant of Keasbey & Mattison Co., Santa Clara, Calif.*

MARCH 1954

**Weights only**  
**1.20 lb. per sq. yd.**

**R/M No. 24H120**

**A UNIQUE  
HERRINGBONE  
ASBESTOS  
CLOTH**



R/M No. 24H120 Underwriters' grade herringbone cloth is designed to provide protection and ease of action to employees in hazardous industries. Its weight of only 1.20 pounds per square yard relieves the wearer of the cumbersome burden usually associated with asbestos safety clothing. The famous R/M "SRC" finish provides additional resistance to frictional wear. Leading manufacturers of asbestos safety garments feature R/M No. 24H120 herringbone cloth. This is a typical and exclusive product of R/M research.



**RAYBESTOS-MANHATTAN, INC.**  
**ASBESTOS TEXTILE DIVISION, Manheim, Pa.**

**FACTORIES:** Manheim, Pa.; No. Charleston, S.C.; Passaic, N.J.; Neenah, Wis.; Crawfordsville, Ind.; Peterborough, Ontario, Canada

**RAYBESTOS-MANHATTAN, INC., Asbestos Textiles • Packings**  
**Brake Linings • Brake Blocks • Clutch Facings • Fan Belts**  
**Radiator Hose • Rubber Covered Equipment • Industrial Rubber,**  
**Engineered Plastic, and Sintered Metal Products • Abrasive and**  
**Diamond Wheels • Bowling Balls**

# "ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED  
MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE  
808 WESTERN SAVING FUND BLDG.  
S. E. COR. BROAD & CHESTNUT STS.  
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Trust of C. J. STOVER, Proprietor  
E. E. COX, Editor

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MARCH 1954

Number 9

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## ANNA S. ROSSITER

March 11, 1891 — February 14, 1954

It is with great regret that "ASBESTOS" announces the death, on February 14, 1954, of its long time editor, Miss Anna S. Rossiter.

Miss Rossiter was born in Whitpain Township, Montgomery County, Pennsylvania, and attended the Blue Bell School and the Norristown Business School. She entered employment with the Keasbey & Mattison Company of Ambler, Pa., where she eventually served as private secretary to the late C. J. Stover, who was then an executive of that company. In early 1917 she resigned from Keasbey & Mattison and rejoined Mr. Stover who had meanwhile established an independent consulting agency in Philadelphia. In July 1919 this agency published the first issue of "ASBESTOS".

In 1922 Miss Rossiter was named Editor of "ASBESTOS" and assumed complete responsibility for its publication. She was joined at that time by Miss Edith E. Cox in the partnership known as "Secretarial Service" which has continued to publish the magazine up to the present.

Possessed of a keenly inquisitive mind and a never failing desire to publish nothing but the truth, Miss Rossiter, over a period of some thirty years, had developed world wide sources of information on Asbestos and its products and came to be recognized as an authority in her own right in this field. She was acutely aware of the importance of developing new sources of asbestos and new uses for the material and worked tirelessly toward those goals. At the same time she exercised eternal vigilance to protect the industry and the public against schemes for the overly optimistic promotion of unproven sources and untried products.

In her passing the Asbestos Industry has lost one of its most ardent champions.

# PIONEERS IN ASBESTOS

...for every  
purpose



**K**neasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber •

For Industry, we offer the following all-purpose asbestos products: Asbestos and Magnesia Pipe and Block Insulations • Asbestos Electrical Materials • Packings • Textiles • Paper and Millboard •

And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

*Nature  
made Asbestos...*

*Kneasbey & Mattison  
has been making it serve  
mankind since 1873*



**KEASBEY & MATTISON**  
**COMPANY • AMBLER • PENNSYLVANIA**

## NEW MACHINES FOR ASBESTOS-CEMENT MANUFACTURE

From tests affected on the actual "round" machines for pipe manufacturing, it was noted that following the particular conditions of diameter of the pressing cylinder in conjunction with the collecting cylinder, pipes could be manufactured while maintaining a constant pressure during all the manufacturing process. In such conditions, a uniformity of specific weight was registered for all the thickness of the pipe which acquires a major resistance through the internal hydraulic pressure (over 300 kg. per sq.cm.).

These experiments have shown that the best arrangement of the pressing rollers was to be sought in a position which ensured the act of compression in an absolutely radial position. It was thus resolved the efficient setting of the feeding group of tubes that one unique felt operates simultaneously as feeder of asbestos-cement layers and as parting diaphragm between the pressing rollers and the collecting cylinder.

The machines are devised with an opening towards the top side and are completely free on the two sides. In this way, loading is extremely facilitated by means of a simple pulley provided with a double bar which, moved from one side, makes the manufactured pipe come out, while on the other side it introduces the new collector immediately after.

The two upper cylinders are quickly taken off when work is stopped so that the pipe is free to eventually come out also from the upper side and in front of the machine. This is particularly useful in the small machines when it is required to effect a quick hand-loading by means of a loading device of the collectors and unloader of the manufactured pipes.

Observing the machine, it is evident that if the rollers are moved radially it is no more necessary to adopt various types of mobile equipment according to the manufactured diameters as the radial displacement of the rollers easily covers all the ranges of production. In fact,



**ASBESTOS**

**"SHORTS" and "FLOATS"**

**Offer Many Applications—  
Example: Molded Plastics**

Our new, modern mill at Lowell, Vt., offers many grades of "Shorts" and "Floats" to meet special formulas of diverse manufacturers.

"Asbestos Floats" for use by Phenolic Plastic Manufacturers, where special grades are required for exclusive formulas, assure faster moulding with the least distortion in drying.

"Asbestos Floats" are used in manufacturing Filler Cement for use in applying Gypsum Board, where bulk and freeness of grit is essential. They supply advantages of a low-cost inorganic fibre, providing impact strength and good workability.

"Asbestos Shorts" are graded to meet manufacturers' requirements in production of Asphalt and Vinyl Floor Tile, Automobile Body Undercoating, Asphalt Paints and Plastics, Texture Paints and Adhesives, Asbestos Insulating Cement and other products.

For further information, write to —

**Executive Offices: 500 Fifth Avenue  
New York 36, N. Y.**

**The RUBEROID Co.**

**ASPHALT AND ASBESTOS BUILDING MATERIALS**

only two types of group generators are planned: the first for pipes of small diameters which can produce pipes with 20 mm. O and even less, up to 300 mm. O for a maximum length of 4 mt., taking into account that the machine has the supporting system of rigid rollers and can be fixed with any size of felt. The second type of machine covers the range of internal diameters from 200 to 1100 mm. for a length up to 6 mt.

The pressing rollers are all of the same diameter and therefore maintain a constant peripheral speed when the diameter of the pipe under production is being altered. It is possible, however, to alter the speed of work from 25 to 35 mt. per 1' in order to obtain the best condition of working according to the type of material in production and to the state of the felt.

Every cylinder, being in the feeding group as well as the subsidiary ones, is controlled by one motor-rectifier per head; all the motors, however, are of a special type which allows for the perfect synchronization and speed control, this also with a view to obtain the best results in the adjustment of the machine, thus avoiding all power losses due to mechanical driving transmission and to frictions which were used in order to compensate the difference of speed.

The changing of the felt is quickly affected by means of the crane which takes the whole set of pressing cylinders and relative bearing crosspiece. These sets are easily detachable as every cylinder is self-motored and therefore the group cylinder-crosspiece constitutes an autonomous set in itself.

These groups of pipe feeders can be fixed either on top of the existing groups, reducing the length of the cylinders to the sizes of the groups installed, or to be part of the new equipment which will be created on a modern conception.

For instance the best distribution we advise is the installation of the machine on two platforms. On the working platform will be fixed the feeding group while the outgoing felt will be conveyed to the lower platform where will be installed the washing equipment, the





## **ASBESTOS "Shorts" and "Floats"**

**increase coverage, prevent cracking**

WHEN used as extenders in texture paints and adhesives, these Johns-Manville asbestos fibres—because of their fineness, fibrous structure, and mineral nature—offer greater product benefits than other types of fillers. Thicker consistencies are obtained without shrinking or cracking while drying.

To other products, asbestos "shorts" and "floats" bring such improvements as greater strength

and durability . . . increased resistance to heat, abrasion, impact . . . better viscosity control, reduced settling . . . and in plastics, faster moulding with less distortion in drying.

If you would like to know more about the various uses, properties and classifications of these versatile forms of asbestos, write to the address below for Brochure AFD-4A.



*Asbestos Fibre Division*  
**Canadian Johns-Manville Limited**

970 Sun Life Bldg.

(Telephone: UN-6-9701)

Montreal, P. Q., Canada

press for felt-stuffing and the turnbuckles. From the outlet it will go to the working group where it will be incorporated in the layer-feeding group. Under this group can be set directly the course of the regenerating water for the immediate re-employment of the water loaded with cement residues into the cycle of layer-feeding on the felt.

In this manner, apart from the functional advantages, it can be obtained a lesser amount of water in circulation, excluding the losses of water itself near the machines on the working platform.

*General calculations illustrating the economical advantages per machine (3 mt.)*

(a) *annual cost second felt:*

Sizes felts m. 16x3,50 = 56 sq.m.

Weight felts sq.m. 56xkg/mq/1600 = 90 kg.

Cost felts kg.90 x L/kg 4000 = Lire: 360,000

Annual consumption 24 felts x 360,000 = Lire 8,640,000

Taking into consideration that in certain cases it is convenient to re-use on the second position the felt which was used in the first position, an economy could be registered, bringing the cost to a round figure of: Lire 8,000,000.

(b) *Labor cost for changing 2nd felt:*

It is estimated that an average of 3 working hours for a group of 8 workmen and one assistant. Each changing therefore required 27 hours x 24 felts = 628 hours x 350 lire/hr = 219,400.

(c) *Failed production due to changing felts:*

Production per hour = approx. sq.m. 0,6x3x24 = 43,2 sq.m.

43,2 sq.m.x2000 kg/mc = 86,400 kg.

As the selling price is around 70 liras per kg. considering the industrial profit at 20% it will be obtained: kg.86,400 x 20/100 x 70 = lire 1,209,600.

(d) From our estimates it can be considered a reduction of 40% for power supply necessary to operate the machine. Since a 3 mt. machine actually consumes about 18 HP equal to about 20 KWh x 24 hrs. x 250 working days = 20 KWh x 600 hrs = 120,00 KWh x 20 L/KWh = 2,400,000 40/100 = Lire 960,000.

(e) Cost maintenance pressure equipment: Labor for changing same, delay in production due to maintenance and registration of 2nd felt and others: 1,200,000.

Yearly economy for 3m. machine .... TOTAL Lire 13,740,000.

(f) Thickness reduction of the pipes: As we noted, the new machines enable the pipe in formation to exercise a constant pressure during all its manufacturing process. Compared to the present "round" machines this procedure gives the material a uniform compactness in all the thickness of the asbestos-cement. It also enables the manufacture of pipes more or less compressed according to the pressure which it is required to exercise on the

# **Carey** **ASBESTOS**

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

## **THE CAREY LINE INCLUDES:**

Asbestos Corrugated Roofing and Siding  
Asbestos Fiber and Specialties  
Asbestos Flat Sheathing  
Asbestos Heat Insulations and Cements  
Asbestos Packing • Asbestos Roofing Felts  
Asbestos Paper and Millboard  
Asbestos Prefabricated Ducts  
Asbestos Shingles and Siding  
Asbestos Wallboard

**THE PHILIP CAREY MANUFACTURING CO.**  
**CINCINNATI 15, OHIO**

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

"ASBESTOS" — March 1954

Page 9

pipe in production. For instance the manufacture of sanitary or ventilation tubes—which material does not require particular resistance to hydraulic pressure when used—can be effected with a limited constant pressure, whereas the manufacture of pressure pipes needs prescribed attention on account of its special uses.

While having unlimited possibilities, the new machine can produce a material with specific weight of 2300 kg/m<sup>3</sup> to which corresponds a breaking load for internal hydraulic pressure of over 300 kg/cm<sup>2</sup>; in the following calculations it will be precautionously taken as a basis this resistance and the above specific weight.

Following the improved features of the material, the new machine will allow not only a reduced thickness in the pipes destined for high pressure exercise, but will also determine the thickness of such diameters and types which it is not actually possible to establish as, due to the exaggerated thicknesses they should have, they would become anti-economical compared to cast-iron and steel.

For the existing "round" machines the average breaking load for pressure pipes is kg. 225/cm<sup>2</sup> with an average specific weight of kg.m<sup>3</sup> 2,100. The determination of thickness can be established only to the effect of internal pressure on the basis of a weight 75 kg.cm<sup>2</sup> using this formula:

$$\frac{d \times p}{2 K} = S$$

Where: d: represents the internal diameter of a pipe  
 p: pressure in Atm. of work of the pipe in production  
 k: safety load  
 s: thickness of the pipe

Taking this formula as a basis it can be found the comparison between pressure pipes with internal diameter 300 produced on the actual machine, and the pipes of equal diameter produced with the new feeding group, taking into consideration that in the latters, on a par safety margin, it is possible to obtain a load K of 100 kg/cm<sup>2</sup>.

Class	Working Pressure In Service in Atm.	Thickness of Pipes	
		Actual Machine m/m	New Machine m/m
C	10	20	15
D	15	30	22,5
E	20	40	30
F	25	50	37,5

# **Gold Bond<sup>®</sup>** **ASBESTONE**

**Asbestos - Cement Roofing & Siding**

**•**  
**ROOFING SHINGLES**  
**SIDING SHINGLES**  
**CORRUGATED SHEETS**  
**FLAT SHEETS**

**You'll build or  
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**ASBESTONE CORPORATION**

**5300 Tchoupitoulas St.**

**New Orleans 15, La.**

**A Subsidiary of**

**NATIONAL GYPSUM COMPANY - BUFFALO 2, N. Y.**

Beside the substantial economy in first material, cement and asbestos, the reduction of thickness equal to about 25% consents also for a major production as quantity of pipes with consequent reduction of labor costs, power supply, general expenses, bringing such economy on the cost of the linear meter, this being the unit in the determination of the selling price.

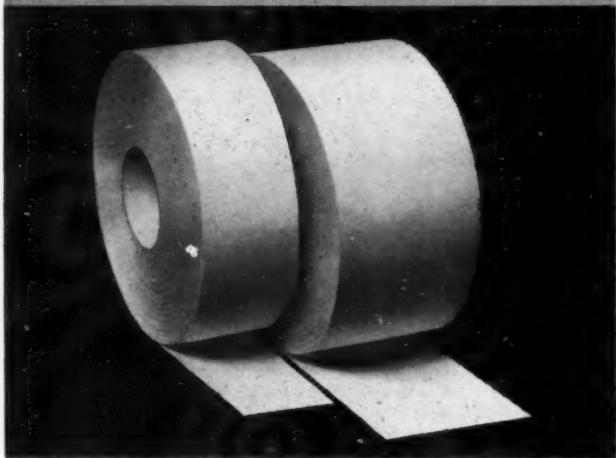
May we therefore outline the advantages deriving from the reduction of thickness taking as a basis for calculation, pipes with internal diameter 300 mm. type C per 15 Atm. test and 10 Atm. in service.

Description	Actual "round" Machine	New universal machine
Thickness pipe O 300 .....	mm. 20	15
Specific weight material .....	kg/m <sup>3</sup> 2,100	2,300
Cubic volume of a 5 mt. pipe .....	cm <sup>3</sup> 100,5	74,2
Weight of a 5 mt. pipe .....	kg. 211	170,7
Production of machines in 24 working hrs. (daily) .....	m <sup>3</sup> 25	25
Quantity of 5 mt. pipes produced in 24 working hrs. (daily) .....	n 249	337
Quantity linear meters produced in 24 working hrs. (daily) .....	1.m. 1245	1685
First material required to manufacture a 5 mt. pipe—in weight:		
weight of tube: .....	kg 211	170,7
Less 10% water crystallization .....	kg 21,1	17,0
First material in dry state .....	kg 189,9	153,7
Blend 15% asbestos compared to weight of material in dry state .....	kg 28,5	23,0
Cement in dry state .....	kg 161,4	130,7
Fibre required for 1 mt. of pipe .....	kg 5,700	4,600
Cement required for 1 mt. of pipe .....	kg 32,280	26,140
Production in linear meters of one machine per year of 250 working days .....	mt. 311.250	421.250

From the above figures it can be easily worked out the result of the economy in first materials.

	Asbestos	Cement
To manufacture with the new machine 421.250 m. of pipes O 300 mm., thick- ness 15mm., it is required		
m. 421.250 x kg/mt. 4,60 .....	Tons 1.937,75	
m. 421.250 x kg/mt. 26,14 .....	Tons	11.011,475

# **SAL-MO SALES ARE R-O-L-L-I-N-G**



Continued product development and aggressive merchandising are two of the factors which contribute importantly to the ever-increasing acceptance of our wide line of asbestos products.

## **SALL MOUNTAIN COMPANY**

**HAMILTON, OHIO**

To manufacture the same length of pipes  
O 300 thickness 20 mm. with the actual  
"round" machine, it is required:

m. 421.250 x kg/mt. 5,70	Tons	2,401,15	
m. 421.250 x kg/mt. 32,28	Tons		13.597,950

Reduced quantity of fibre used with new machine	Tons	463,40	
Reduced quantity of cement used with new machine	Tons		2.586,475

The blend of fibre has an average cost of  
130 lire per kg; therefore the difference  
less used corresponds to an amount of  
tons 463,40 x 130.000 lire 60.242.000

The cement used in the manufacture of  
pipes is of type 630 which costs 11 lire  
per kg; the quantity of cement saved  
amounts to:  
tons 2.586,475 x 11.000 = Lire 28.451.225

Hence the economy per year in first materials, manu-  
facturing pipes O 300 type C with thickness 15 instead of  
20 mm. results in an amount of:

Fibre asbestos	Lire 60.242.000
Cement	Lire 28.451.225

Total yearly saving of first mat. Lire 88.693.225

- (g) Labor—Considering that the number of workmen required  
to operate the new machine would be equal to the present  
"round" machine, we shall have: for a team of 8 hour shift  
—1 workman for the water and maintenance; 2 workmen  
for first materials (mixtures); 1 workman for felt-keeper;  
2 workmen for hinge-keepers; 1 workman for machine con-  
troller; 2 workmen for taking off materials from moulds; 2  
workmen for caretaking of pipes; 1 foreman; a total of 12  
men per team x 3 shifts = 36 workmen in 24 hours, 36  
workmen x 8 hrs. = 288 hours daily x 250 days = 72.000  
hrs. yearly at Lire 350 per hour = Lire 25.200.000 = cost of  
labor per year for operating the machine.

This figure must be at least doubled to cover labor for  
the preparation of fibres, the subsequent operations which  
the pipes sustain; washing in basin, finishing tests, stor-  
ing, etc. increasing further at least 20% for general ex-  
penses, we shall therefore have: Lire 25.200.000;  
25.200.000; 10.080.000 a total of Lire 60.480.000.

The production of the present "round" machine is  
311.250m.  $\frac{\text{Lire 60.480.000}}{\text{mt. 31.250}} = \text{cost of labor}$





# **HAIR FELT**

**FOR**

## **Low Temperature Insulation**

---

**Newark Hair Felt Co.**

**1000 Maple Avenue  
Lansdale, Penna.**

per meter = Lire 194,30; with the new feeding group it can be produced 421.250 m. i.e., 110.000 m. more than the other; an economy is therefore registered in labor of m. 110.000 x 194,30 = Lire 21.373.000 = per year.

We should add that for all the industrial complex, it has been contemplated new devices for mechanization in all its particular, not only to reduce the cost of production, but to extend the possibility of increasing the range of pipes in higher diameters for the various types, in case an increased thickness would bring the cost of pipes themselves to a level such as not to be able to compete with cast-iron or steel.

Further information can be had on request by writing Eng. G. Bogoyavlensky; via Vincenzo Bellini, 14, Roma, Italy; sole representative of Revisione Costruzione Macchine, Turin, Italy; the later being owner of patent rights covering the above processes and machines.

Translated from the article published in "INDUSTRIA ITALIANA DEL CEMENTO" by Dr. Eng. Camillo Pasquale—October 1953 issue.

---

We believe our readers will be interested in a booklet published by the ASTM entitled "Some Unsolved Problems", a compilation by ASTM's Administrative Committee on Research, intended to stimulate studies of those properties of materials concerning which information is needed.

Copies of this 24-page booklet are available, without charge, from the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa.

---

Within three years practically every new home selling for \$15,000, or more, will have year-round air conditioning, according to Edwin E. Hokin, vice president of the Union Asbestos and Rubber Company of Chicago.

And, by 1958, he added, it will be standard equipment in almost every new house built in the United States.

# ASBESTOS

## ASBESTOS CORPORATION LIMITED

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QUEBEC

CANADA

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5600 Hochelaga St.

#### TORONTO 1, ONT.

CANADIAN ASBESTOS ONTARIO LTD.  
27 Front St., East

"ASBESTOS" is pleased to announce the appointment of Edith E. Cox as Editor starting with the current issue. Miss Cox has been associated with the magazine almost since its founding and has, besides acting as Circulation Manager, been acting as Editor for the past two years. We wish to assure our subscribers, advertisers and other friends that the basic policies of the magazine, in effect since its origination, will continue unchanged.

## BUILDING

January's total of building and engineering contracts awarded in the 37 eastern states reached an all time high for any year's opening month according to F. W. Dodge Corporation. The Dodge Reports contract total for the month was \$1,151,987,000, being 7 per cent more than the figure for January 1953 and 28 per cent more than the figure for January 1952.

Last month's awards for non-residential building amounted to \$473,077,000, a 16 per cent increase over the corresponding month of last year; residential awards at \$462,482,000 were 1 per cent ahead of January 1953; heavy engineering contracts (public works and utilities) at \$216,428,000 were 4 per cent higher than in January of last year.

Commenting on the January record, Thomas S. Holden, vice chairman of F. W. Dodge Corporation, stated:

"This gratifying record for January's forward commitments for new construction activity will likely surprise those people who have been expecting a marked decline in building and engineering activity this year. Added to the carryover from the large contract volume of last year's fourth quarter, January's contract volume promises a very high rate of construction activity during the current quarter.

"This year the January seasonal drop from December's contract total was only 11 per cent, compared with a 27 per cent drop from December 1952 to January 1953."

# JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

*Head Office*

Thetford Mines, P. Q. Canada

*Mines*

Thetford Mines, Quebec  
Black Lake, Quebec



Producers of All Grades of

## RAW ASBESTOS



### REPRESENTATIVES

GREAT BRITAIN .....	A. A. BRAZIER & CO. "Avenue Lodge" 65a Bounds Green Road, LONDON, N. 22, England
CHICAGO 4, ILL. ....	GRANT WILSON, INC. 141 West Jackson Boulevard
NEW YORK, N. Y. ....	HARDWARE PRODUCTS CO. 3 Park Place, New York 7, N. Y.

There are hundreds of complex machines and precision instruments in use in all the State University laboratories, but perhaps the most remarkable of them all by contrast is the little ugly duckling to be found in the international research headquarters of the Asbestos Textile Institute in the School of Ceramics at Rutgers University.

This is the abradoflex, an elevated-temperature abrasion resistance tester developed and built at Rutgers by Dr. Myril C. Shaw, general secretary of the ATI. It has the external appearance of an out-sized hatbox. Inside are a pair of cylinders that are rotated by a tiny motor. Attached to the abradoflex is Dr. Shaw's latest modification, an electrical device capable of producing 650 deg. F. inside its asbestos shell.

---

All home builders, contractors and sub-contractors in the Greater New York area will be invited free of charge to "Building Your Home, 1954" a public exhibition of home building progress to be held in New York. In a move to provide the home building trades with information on latest developments in modern building materials and methods, May 27 and 28, between 9 A. M. and 12 noon, will be devoted exclusively to trade inspection of displays by the industry's foremost manufacturers. No registration fees will be required.

The exhibition, to be held at the 71st Regiment Armory, 34th Street and Park Ave., will be open to the general public daily from May 29 through June 6, between 12 noon and 10:30 P. M.

---

Carey has recently announced a new deep hued ceramic surfaced asbestos-cement siding named Ceramo. Company officers believe the product will bring increased business when the building season moves into full swing.

# **DRYLON WET MACHINE FELTS**

**Wool and Nylon Blend Fleece**

**Carefully Engineered**

**To Meet**

**Your Individual**

**Problems**

**In**

**ASBESTOS CEMENT PRODUCTS**

**ASBESTOS MILLBOARD**

**ASBESTOS PAPER**

*\*Our Patented Construction Places the Nylon Where  
It Is Most Effective*

**DRYCOR FELT COMPANY  
STAFFORDVILLE, CONN. USA.**

*\*Nylon Has Proved Itself Essential in Asbestos Cement Felts*

"Showmanship in Safety"—the National Safety Council's new book of attention-getting stunts and gimmicks—wraps up in one package the best in safety promotional ideas.

Loaded with schemes that help sell safety to workers in new and appealing ways, the book can provide a lift for any accident prevention program. "Showmanship in Safety" contains more than 150 ideas for displays, demonstrations stunts, awards and other interest-arousing devices.

The book is illustrated with cartoons and bound in a two-color heavy paper cover. It sells for \$1.25 to Council members and double that price to non-members. For further information and quantity prices write the National Safety Council, 425 North Michigan Ave., Chicago 11, Ill.

---

The British Industries Fair, Britain's annual show window of new trade products, will be held in London and Birmingham from May 3rd to 14th, 1954.

Two thousand exhibitors representing nearly 100 different industries will demonstrate to home and overseas buyers a cross section of British production from confectionery to concrete mixers.

Plans are under way for welcoming the thousands of overseas buyers who are expected to attend this year. (Last year 996 U. S. buyers attended.)

## **KINLOCH ASBESTOS**

**(PROPRIETARY) LIMITED**

*The largest exporters of Chrysotile Fibre  
mined in the Union of South Africa*

**BARBERTON, STOLTZBURG AND DOYERSHOEK**

**CHRYSOTILE ASBESTOS MINES**

Loveday House

Cables

P.O. Box 1364, Johannesburg

"CHRYSOTILE", Johannesburg



# SMITH & KANZLER CO.

*Manufacturers of*  
**ASBESTOS PAPER**

*Pipe Covering & Blocks*

*Air Cell*

*Wool Felt*

*Anti Sweat*

*Anti Freeze*

*Sponge Felt*

*Multi Ply*

**Established 1920**

**East Linden Ave., Linden, N.J.**

The National Safety Council's new series of human relation training films for foremen is now available: "A Gray Day for 'Grady'"; "Fragile—Handle Feelings with Care"; "Call 'Em on the Carpet"; "Its an Order".

Prepared under the supervision of the Council's industrial department, the films run 12 minutes each and are available in 16 mm sound movies as well as 35 mm sound slidefilms.

For further information and prices write the National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

---

More than one out of every two American families own their own homes, the Chamber of Commerce of the United States reports. About three out of five families own some kind of real estate.

---

Discoveries of new uses for asbestos were constantly being made and indications were that demand still exceeded supply in the Western world, are points contained in M. Goodman's statement, chairman of Onverwacht Asbestos Mining Co. at their annual meeting.

The South African Bureau of Standards has appointed a special sub-committee to study ways and means of establishing an official Government grading system, designed to re-establish confidence in the quality of South African asbestos supplies in the minds of overseas consumers.

### **ASBESTOS-CEMENT MACHINERY**

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

Fiberizing Equipment, Rotary Cutters, Wet and Dry Trimmers, Finishing and Texturing Machines.

Your inquiries are most welcome

#### **LINCOLN IRON WORKS**

(Successors to Asbestos-Cement Associates, Inc.)

255 West Street

Rutland, Vermont

## CANADIAN ASBESTOS FIBERS



THE NICOLET MINE  
Norbestos (via Warwick)  
Que.

*Address Inquiries to:*

**NICOLET ASBESTOS MINES LIMITED INC.\***

**70 Pine Street**

**New York 5, New York**

*\*One of the NICOLET Industries*

# MARKET CONDITIONS

## GENERAL BUSINESS

General business continues good in most lines. There has been a slight improvement in car loadings and in steel production. Unemployment, however, has increased rather substantially. Several independent automobile producers have sharply curtailed operations and marginal producers in many fields are feeling the pressure of competition in a buyer's market. The Administration and the Congress are obviously keeping close watch on the entire economic situation in hope that government action, if required to avert a serious decline, will be initiated soon enough to have the desired effects.

## ASBESTOS — RAW MATERIAL.

The demand for asbestos fibre in January showed a sharp drop from the preceding month and eight to ten per cent below January 1953.

Demand held up well in the spinning grades and in the major types of asbestos shorts but was considerably off in the intermediate or medium grade fibres. A drop in demand is generally expected during the severe winter months and the present one permits opportunity to get inventories in proper balanced proportions.

There seems to be every indication of a pick up in the later months.

## ASBESTOS — MANUFACTURED ASBESTOS.

*Asbestos Textiles.* There appears to be a slight improvement in orders booked for asbestos cloth. The general situation as it relates to the electrical industry, involving asbestos tapes, has not improved. There is a good possibility of a fair demand for all types of asbestos textiles, with the possible exception of electrical tapes, existing during the year.

*Asbestos Brake Lining.* The market is holding up very well and a good year is expected. Equipment sales are cutting back a little but should be a good year.

*Asbestos Paper.* There has been little change in paper market during the past month, the situation remaining



## Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

*Mundet district offices are located in these cities:*

<b>ATLANTA</b> 339-41 Elizabeth St., N.E.	<b>DALLAS 10</b> 601 Second Ave.	<b>JACKSONVILLE 6, FLA.</b> 800 E. Bay St.	<b>NEW ORLEANS 16</b> 315-25 N. Front St.
<b>BALTIMORE 30</b> 612 Battery Ave.	<b>DETROIT 21</b> 14401 Prairie Ave.	<b>KANSAS CITY 7, MO.</b> 1401 St. Louis Ave.	<b>NEW YORK 17</b> 331 Madison Ave.
<b>BOSTON</b> 57 Regent St., N. Cambridge 40	<b>HOUSTON 1</b> Commerce and Palmer Sts.	<b>KNOXVILLE</b> 1221 Grand Ave.	<b>PHILADELPHIA 39</b> 856 N. 48th St.
<b>CHARLOTTE 3, N. C.</b> 507 S. Cedar St.	<b>INDIANAPOLIS 4</b> 15 E. Washington St.	<b>LOS ANGELES</b> (Maywood): 6116 Walker Ave.	<b>ST. LOUIS 9</b> 3176 Brennan Ave.
<b>CINCINNATI 2</b> 427 West 4th St.		<b>In Canada:</b> Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto	<b>SAN FRANCISCO 7</b> 440 Brennan St.

"ASBESTOS" — March 1954

Page 27



Two views of a Magnesium-interleaved load on its way to be steam-cured. The Magnesium plates are one-fourth the weight of similar size steel plate, one-third lighter than aluminum. The B&P mill will roll these Magnesium slabs, large or small, to your specifications. Deliveries are prompt, F.O.B. Detroit.

LIGHTNESS



... PLUS!

## TO MANUFACTURERS OF ASBESTOS PRODUCTS:

Leading companies in your industry are now using interleaving spacers of **MAGNESIUM PLATE** in the curing process.

Why? Because

- (1) Magnesium is unaffected by alkali;
- (2) Magnesium is the lightest-in-weight of all commercial metals—hence easiest to handle;
- (3) Magnesium *will not rust*; won't stain or mark the material.

Just phone or write B&P the width, length, thickness of the Magnesium plate-or-sheet you need; we will quote. *Any quantity*; This B&P mill is *flexible*; it can meet your requirements and ship promptly. OR — May we advise you? Then — just write us describing the situation.

*This Pallet is made of lightweight Magnesium plate, welded to Magnesium extrusions. It is shown on the lift truck above.*

**BROOKS and  
PERKINS Inc.**

*Pioneer Fabricators of Magnesium*

1950 W. FORT ST.

TAshmo0 5-5900 DETROIT 16



conditions indicate a renewal of activity with orders not being placed as far in advance as they were last year during the same period and while the volume does not appear very competitive. In the *Millboard* market current business to be as large as last year, it is improving over that experienced during the past few months. The demand for *Saturated Paper* is on the increase; the U. S. Government being a large buyer. The recent fire in General Motors plant in Michigan has created greater demand for composition roofing with asbestos content.

*Insulation. High Pressure.* The present market continues good, due primarily to orders being received calling for materials involved in contract jobs that were closed six months to a year ago. Indications are that there will be continued activity in this line due to the number of industrial installations and additions to utilities throughout the country.

*Insulation. Low Pressure.* Volume for this material is running high because of many unfinished contracts where low pressure materials were specified.

*Asbestos Cement Products.* The market is sluggish at the present time, presumably due to general business conditions and reduced building construction.

Sales for roofing and siding have declined during the winter, but are now on the increase. The use of asbestos siding in new home construction to replace wood siding and cedar shingles is increasing rapidly. The rich dark colors of asbestos siding are very popular.

Demand is still below production for corrugated and flat but is expected to pick up with the beginning of good weather.

The market for A-C Pressure Pipe is still at a reasonably low ebb but with the approach of spring is expected to increase. Gas vent, plumbing vent, building sewer and conduit sales are also accelerating.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

---

An opening meeting of the Association of Consulting Chemists and Chemical Engineers, Inc. will be held on April 27, 1954 at the Belmont Plaza Hotel, New York City.



# BLUE ASBESTOS

**MILLBOARD · YARNS**  
**PROCESSED FIBERS**  
**ROVINGS · CLOTHS**

You get a guaranteed high standard of quality  
from the only manufacturer of  
Blue Asbestos Products operating its  
own mines:



**The CAPE ASBESTOS CO. Ltd.**

114-116 Park Street, London, W.1.

*Your inquiries are invited by the following  
Cape Asbestos Co. subsidiaries:*

In United States

**NORTH AMERICAN  
ASBESTOS CORPORATION**

Board of Trade Building, Chicago 4, Illinois

In Canada

**CAPE ASBESTOS (Canada) Ltd.**

200 Bloor Street East, Toronto, Ontario

## Asbeston Suits for Fire Fighters

One hundred degrees in the sun is mighty uncomfortable, but how would you like to fight a 2,200 degree fire? For some time the Air Force has been working on a project to give its fire fighters a clothing assembly enabling them to combat high temperature fires, particularly those involving gasoline and fuel oils.

Wright Air Development Center tests at Dayton, Ohio, determined that the best protection unit would be of a reflector type. Thus radiant heat energy is reflected and is not a heat load on the insulation underneath the reflector.

Many tests revealed the suitability of aluminized Asbeston, a cloth made by United States Rubber Co. The cloth is very light for an asbestos product, weighing only 10 ounces to the square yard.

It is aluminum coated by Minnesota Mining and Manufacturing in a special metal vaporizing process. The coating itself is approximately one millionth of an inch.

Fire-fighting suits of aluminized Asbeston were tested exhaustively by the clothing branch of the aeromedical laboratory. Because of their limited abrasion resistance, it was decided to change to a replaceable cover to be worn over the standard fireman's coat and trousers. This replaceable cover has been recommended by the Air Force.

*"Tropag"*

ASBEST- & ERZIMPORT OSCAR H. RITTER K. G.  
Hamburg . . . . . Ballindamm 7

*Importers since 1909 of*

**ASBESTOS - ORES - MINERALS**

**MOUNTBRIDGE EXPLORATION &  
INVESTMENT CO. (PTY) LTD.**

Lubraco House, C/r Nugget & Pritchard Streets,  
Johannesburg. Box 4421. Cables "Montexin"

---

*South African and Rhodesian*

*Asbestos Fibres*

---

**ENQUIRIES WELCOME**

# **ASBESTOS FIBRE**

**OF ALL TYPES**

## **BRANDHURST COMPANY LIMITED**

**Vintry House  
LONDON  
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**Telephone:**  
**London Central 1411**  
**(Private Branch Exchange)**

**Cables:**  
**Brandcolim**  
**London**

# ASBESTOS FIBRES

Rhodesian Chrysotile — South African Chrysotile — Cape Blue —  
Transvaal Blue — Montasite — Amosite — Anthophyllite

## PUTTEN'S ASBESTOS

Milled  
Fibres

**CORPORATION OF  
SOUTH AFRICA  
JOHANNESBURG**

Hand-cobbed  
Fibres

"Shorts" — "Medium" — "Longs" — also "Spinnable Grades"  
No order too small — No order too big.

---

All enquiries will receive prompt and careful attention. If you require information on us, approach our Bankers:

BARCLAYS BANK (D. C. & O.),  
Loveday Street South,  
Johannesburg.

and VOLKSKAS LIMITED,  
76, Market Street,  
Johannesburg.

We guarantee satisfaction. Our old Clients know that we are not boasting. Give us a chance to prove ourselves and you will also be pleased.

## PUTTEN'S ASBESTOS CORPORATION OF SOUTH AFRICA

203/207, Alris Building

3, Rissik Street

Johannesburg

Tel. add.: Euraf Johannesburg — P.O. Box 7167 — Tel. 33-9052

---

Members: JOHANNESBURG CHAMBER OF COMMERCE.  
SOUTH AFRICAN ASBESTOS EXPORTERS' ASSOCIATION.  
ASBESTOS & BASE MINERAL ASSOCIATION OF SOUTHERN AFRICA.

# IMPORTS AND EXPORTS

## Imports into U. S. A.

(Figures by Bureau of Census)

### Unmanufactured Asbestos—By Countries:

	October 1953
	Tons (2240 lbs.)
From Canada .....	49,192
Union of S. Africa .....	1,221
Southern Rhodesia .....	697
Bolivia .....	200
Australia .....	114
So. B. Africa .....	78
Other Countries .....	28

	51,530
Valued at .....	\$4,800,520

### By Grades:

Crude No. 1, Chrysotile, Canada .....	15
Crude No. 1, Chrysotile, S. Rhodesia .....	241
Crude No. 2, Chrysotile, Canada .....	26
Crude No. 2, Chrysotile, Other Countries .....	9
Crude, Other, Chrysotile, U. of S. Africa .....	25
Crude, Other, Chrysotile, S. Rhodesia .....	456
Crude, Other, Chrysotile, So. B. Africa .....	78
Crude, Other, Chrysotile, Other Countries .....	16
Crude, Blue, Bolivia .....	200
Crude, Blue, Australia .....	114
Crude, Blue, U. of S. Africa .....	267
Crude, Blue, Other Countries .....	3
Crude, Amosite, U. of S. Africa .....	884
Textile Fibres, Chrysotile, Canada .....	1,260
Shingle Fibres, Chrysotile, Canada .....	6,897
Shingle Fibres, Chrysotile, U. of S. Africa .....	45
Paper Fibres, Chrysotile, Canada .....	3,893
Other Fibres, Chrysotile, Canada .....	37,101

51,530

### Manufactured Asbestos Goods:

	October 1953	
	Quantity (lbs.)	Value
Asbestos Yarn, United Kingdom .....	47,228	\$ 38,713
Asbestos Yarn, Other Countries .....	5,178	6,524
Asbestos Packing—Fabric .....	2,082	2,211

Asbestos Woven Fabrics—Other.....	2,510	2,646
Asbestos Cement Products (Impreg.).....	5,196	533
Asbestos Cement Products (Not Impreg.) Canada.....	927,740	65,832
	<u>989,934</u>	<u>\$116,459</u>

## Imports of Asbestos by United Kingdom

### Raw Material

	Dec. 1953 Tons (2240 lbs)	Year 1953 Tons (2240 lbs)
From Union of S. Africa.....	1,071	13,461
Southern Rhodesia.....	1,674	37,064
Basutoland, Bechuanaland & Swaziland	987	10,757
Canada.....	4,785	36,737
Other Commonwealth Countries and the Irish Republic.....	10	1,969
Foreign Countries.....	1	752
	<u>8,528</u>	<u>100,740</u>

## WILHELM BURGDORF

Importer of Raw Asbestos

P. O. Box 1131, BREMEN, GERMANY

Asbestos Exploration

Mine Development

**WILLIAM B. MILLAR**

Consulting Geologist

Mail Address:  
Room 1050

161 EAST 42nd ST.  
NEW YORK 17, N. Y.



## PIPE COVERING PROTECTORS

*The "Royal" All Aluminum Adjustable  
and Permanent Protector for Pipe*

*Covering-ends. Easy to Apply . . . Prompt Shipment.*

**THE PROTECTOR CO. • GRANT WILSON, INC.**

SO. BOSTON 27, MASS.

CHICAGO 4, ILL.

## Exports from U. S. A.

(Figures by Bureau of Census)

	November 1953	
	Tons (2240 lbs.)	Value
<i>Unmanufactured Asbestos:</i>		
To: Europe.....	37	\$10,081
S. America .....	74	12,870
Other Countries.....	36	6,525
	147	\$29,476

### *Manufactured Asbestos Goods:*

	November 1953	
	Quantity	Value
Asbestos Pipe Covg. & Cement .....	Lbs. 551,883	\$ 68,919
Asbestos Textiles & Yarn .....	Lbs. 66,039	61,102
Asbestos Packing .....	Lbs. 95,475	108,059
Asbestos Bk. Lng. (Mld.&S.Mld.) .....	Lbs. 330,146	287,596
Asbestos Bk. Lng. (Woven) .....	Lin. Ft. 78,725	51,342
Asbestos Clutch Facings .....	No. 139,157	105,069
Asbestos Brake Blocks .....	Lbs. 44,098	46,447
Asbestos Construction Materials .....	Lbs. 2,050,170	207,999
Asbestos Manufactures—Others .....	Lbs. ....	20,012
		<b>\$956,545</b>

### Union of South Africa

(Quarterly Information Report — Dept. of Mines)

Tons 2000 lbs.

#### 3 rd Quarter (July, August & Sept. 1953)

	Production		Local Sales		Exports	
	Tons		Tons	Value	Tons	Value
Amosite .....	9,511		339	£ 9,480	7,954	£303,681
Anthophyllite .....						
Chrysotile .....	3,699		977	42,036	2,945	231,692
Cape Blue .....	5,084		575	50,672	3,205	236,864
Transvaal Blue .....	5,438		687	54,626	2,835	201,192
	22,732		2,578	£156,814	16,939	£973,429

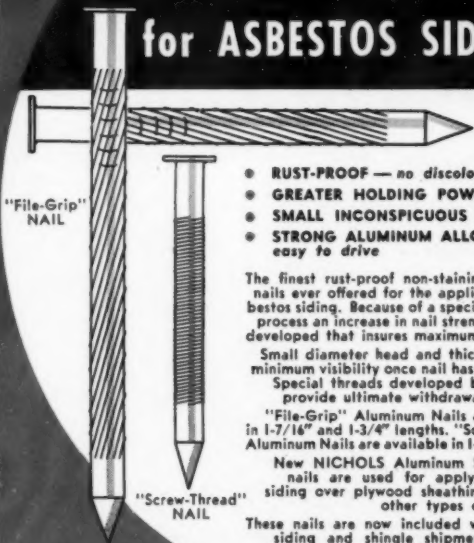
#### AVAILABLE

Substantial quantity of surplus Asbestos Fibre—Attractive price—liberal terms. Address: Box 3EW-NY, "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa.



**NICHOLS**  
**NEVER-STAIN**

# THE PERFECT *Aluminum Nail* for ASBESTOS SIDING



- **RUST-PROOF** — no discoloration
- **GREATER HOLDING POWER**
- **SMALL INCONSPICUOUS HEAD**
- **STRONG ALUMINUM ALLOY** — easy to drive

The finest rust-proof non-staining aluminum nails ever offered for the application of asbestos siding. Because of a special NICHOLS process an increase in nail strength has been developed that insures maximum drivability.

Small diameter head and thickness assures minimum visibility once nail has been driven. Special threads developed by NICHOLS provide ultimate withdrawal resistance.

"File-Grip" Aluminum Nails are available in 1-7/16" and 1-3/4" lengths. "Screw-Thread" Aluminum Nails are available in 1-1/8" lengths.

New NICHOLS Aluminum Screw-Thread nails are used for applying asbestos siding over plywood sheathing and many other types of new work.

These nails are now included with asbestos siding and shingle shipments of many leading asbestos products manufacturers.

Write for free samples and descriptive literature. Address Dept. A.



**NICHOLS WIRE & ALUMINUM CO.**

GENERAL OFFICES & FACTORY—DAVENPORT, IOWA

Branches: Mason City, Iowa; Battle Creek, Mich.; Cincinnati, O.; Atlanta, Ga.; South Deerfield, Mass.; Seattle, Wash.; Oakland, Calif.

# **PRODUCTION STATISTICS**

## Canada

(Department of Mines, Province of Quebec)

*Tons 2000 lbs.*

Production for December 1953 .....	62,067 tons
Compared with December 1952 .....	63,902 tons

Dominion Production for December 1953 is 63,617 tons, a difference of 1,550 tons from the Quebec figure.

<i>By Grades:</i>	Year 1953	Year 1952
Crude .....	773	721
Fibres .....	299,313	328,578
Shorts .....	583,902	576,924
	<hr/> 883,988	<hr/> 906,223

## Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

*Tons 2000 lbs.*

Production for October 1953 .....	7,386.22 tons
Valued at .....	£444,615
Production for October 1952 .....	7,890.04 tons
Valued at .....	£609,940

## Africa (Swaziland)

Production for December 1953 .....	2,750 tons
Production for January 1954 .....	2,500 tons

## Cyprus

(From W. Perry James, A.C.S.M., Inspector of Mines)

4th Quarter ending December 31, 1953

Tons—2000 lbs.

	October	November	December
Rock Mined .....	219,631	13,757	8,170
Rock Treated .....	62,638	18,210	2,757
Fibre Produced .....	2,487	514	303
Fibre Exported .....	405	1,695	250

## **INDUSTRIAL SERVICE COMPANY**

**Builders of**

### **ASBESTOS CEMENT MACHINERY**

**Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.**

**Your Inquiries Are Invited**

**1-51 Paterson Avenue**

**E. Rutherford, N. J.**

**Cable Address: METABEST**



### **METATE ASBESTOS MINES COMPANY**

*Producers of*  
**WORLD'S FINEST CRUDES  
AND SPINNING FIBRE**

**Mines: GILA COUNTY, GLOBE, ARIZONA**  
**P. O. BOX 1506 GLOBE, ARIZONA**

**Telephone 261-J**

**Home Office: P. O. BOX 51, JOPLIN, MO.**

## Exports from Canada

(Published by Dominion Bureau of Statistics)

### Unmanufactured Asbestos:

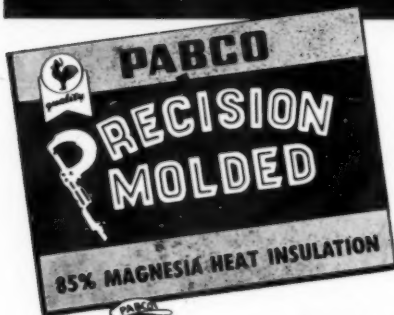
		December 1953	
		Tons (2000 lbs.)	Value
<i>Crude</i>			
United States .....	19	\$	17,455
United Kingdom .....	25		25,875
South America .....			
Central America & Mexico .....			
European Countries .....	6		4,685
Other Countries .....	36		28,083
	86	\$	76,098
<i>Milled</i>			
United States .....	13,764	\$2,417,570	
United Kingdom .....	1,381	317,195	
South America .....	2,086	386,781	
Central America & Mexico .....	570	89,983	
European Countries .....	8,306	1,571,820	
Other Countries .....	5,045	776,701	
	31,152	\$5,560,050	
<i>Shorts</i>			
United States .....	35,661	\$1,702,668	
United Kingdom .....	4,375	169,179	
South America .....	130	6,086	
Central America & Mexico .....	20	1,540	
European Countries .....	7,221	470,619	
Other Countries .....	2,192	169,885	
	49,599	\$2,519,977	
<i>Grand Total—Unmanufactured Asbestos</i> ..	80,837	\$8,156,125	
<i>Manufactured Asbestos Goods:</i>			
Brake Lining .....		\$	19,943
Packing .....			338
Other Materials .....			25,175
		\$	45,356

### THE RUBEROID CO.

The Ruberoid Co., has appointed *Ross L. Muir* to be the corporation's public relations director. Formerly, the company retained an outside agency.

Before joining Ruberoid, Mr. Muir was senior associate editor of *Forbes Magazine*. He will be headquartered at Ruberoid's executives offices in New York.

# NOW, AS ALWAYS—

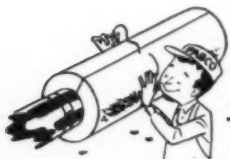


... the  
**Dependable  
Standard-  
Modernized**



## UNIFORM PRECISION

*Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding—close tolerances, controlled sizes, light weight, uniform texture!*



## SAVES MAN HOURS

*Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit—pipe sizes and blocks molded to exact size!*



## PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19

New York 16

Manufacturers of Heat Insulation since 1920

# NEWS OF THE INDUSTRY

---

## BIRTHDAYS

- John H. Balch, Vice President, Treasurer and Director, Union Asbestos & Rubber Co., Chicago, Ill., March 22.
- Grady B. Gulledege, Director & General Manager, Apache Asbestos Mines, Inc., Owner and Manager Pine Top Asbestos Mines, Globe, Arizona, March 23.
- George Barge, Treasurer, Keasbey & Mattison Company, Ambler, Pa., March 27.
- A. R. Fisher, President, Johns-Manville Corporation, New York City, March 27.
- J. T. Griffis, Vice President, Southern Asbestos Co., Charlotte, N. C., March 28.
- J. A. O'Brien, Vice President, Johns-Manville Corporation, New York City, March 28.
- Lord Elton, Director, The Cape Asbestos Company, London, England, March 29.
- F. V. S. Smith, Director & Secretary, Hodgson & Hodgson, Ltd., Carrington, Nottingham, England, March 29.
- W. C. Bowman, District Manager, The Philip Carey Mfg. Company, Phila., Pa., March 30.
- H. F. McFarland, Jr., President, Smith Asbestos Products Inc., Millington, N. J., April 2.
- G. M. Williams, President, Russell Mfg. Company, Middletown, Conn., April 6.
- Herbert D. Harris, Asbestos Corporation of America, New York City, April 12.
- J. M. Weaver, Consultant, Raybestos-Manhattan, Inc., Manheim, Pa., April 14.
- Paul W. Austin, Secretary, Union Asbestos & Rubber Company, Chicago, Ill., April 15.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

## THE RUBEROID CO.

### Annual Report

The Ruberoid Co. reported net sales of \$74,483,553 for the year ended December 31, 1953. Highest in the company's 67-year history, the record compares with sales of \$66,058,400 in 1952.

Net earnings after taxes amounted to \$4,576,073 equal to \$6.67 per share on 685,857 shares, compared with net earnings in 1952 of \$4,045,677, equal to \$6.41 per share on 631,166 shares. In both years the shares represent the average number outstanding during the year, adjusted for 5 per cent stock dividends distributed in 1952 and in 1953.

Provisions for federal taxes totaled \$5,360,510, or 54 per cent of earnings.

## **IMMEDIATE DELIVERY**

*in Any Quantity*

**STAINLESS STEEL  
FASTENERS, BOLTS,  
NUTS and WASHERS**

*for*

**Corrugated Asbestos  
Roofing and Siding**

- *Emergency Service*
- *No Quantity Too Small*

●

We carry complete stocks of:

"Z" CLIPS • "J" CLIPS  
"V" CLIPS • "C" CLIPS  
BOLTS — All Lengths

●

Write to

**PENNWOOD COMPANY** div. of  
**Pennwood Numechron Company**

7249 Frankstown Ave. • Pittsburgh 8, Pa. • FRemont 1-4200

## **NEWS FROM SOUTH AFRICA**

In general, asbestos trade has improved somewhat for the independent mines in South Africa, with the beginning of the New Year. Those Transvaal Blue producers who successfully weathered the crisis of 1953, have for the most part secured contracts which is tying up their production for the year 1954. A number of the larger producers of Transvaal Blue are actually purchasing fibre from smaller mines in an endeavor to meet their full commitments for 1954. There seems to be a healthy spirit prevailing among Blue producers especially. The amosite market is still somewhat dull, with the exception of Egnef fibres, for which the demand far exceeds the supply. International Asbestos and Amalgamated Minerals & Asbestos (see "ASBESTOS", October 1953—The Marchioli Mill) have been placed in liquidation by the Bank of Indo-China. There are about 4,000 tons of Blue and Amosite fibres involved in this liquidation. The liquidators have decided on a policy of not off-loading this accumulation as a distress sale, but will sell the fibre at market prices throughout 1954. There are large tonnages involved of established grades. Fibre-Tex Agencies (Pty.) Ltd., P.O. Box 1798, Johannesburg, S. Africa, have been appointed, by the Liquidators, as sole selling agents for a number of countries, including North America.

## **ASBESTOS CORPORATION LIMITED**

### **Annual Report—1953**

The Annual Report of Asbestos Corporation Limited has just reached us and an income for the year (ending December 31, 1953), after charging all expenses including taxes, but before providing for depreciation, amounted to \$6,722,656.

The Company's four producing mines operated at close to capacity throughout 1953. During the year, the development of the new Normandie Mine ore body and the construction of the associated plant progressed at a satisfactory rate and present indications are that production will commence in the latter part of 1954.

Total production of asbestos fibre showed a modest gain of 1.5% in volume over 1952. Concurrently the value of production increased by 2% over the same period.

## **TARIFF ON ASBESTOS CLOTH**

The Tariff Board of Montreal has ruled in a judgement that asbestos cloth, used in brake lining, is not a synthetic textile fabric and can be imported, for tariff purposes, as a form of asbestos.

This ruling, setting aside a Revenue Department decision, means that the tariff on asbestos cloth will be reduced to 12½ per cent from a compound duty of 25 per cents plus 30c a pound.

The successful appeal was carried to the Board by Federal Belting & Asbestos Co., Ltd., Toronto.



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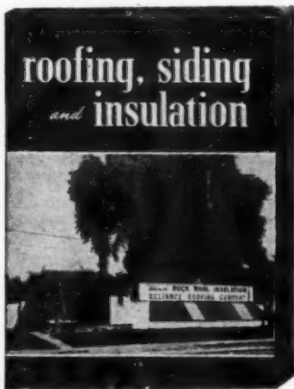
## **ASBESTOS FIBRES**

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#### **UNITED ASBESTOS CORPORATION LTD.**

At a recent press conference in Quebec City plans were revealed for a \$20 million lake-drainage project financed by U. S. interests to initiate mining of a series of asbestos deposits which is believed to be the largest in the world today. After the news conference, an administration spokesman forecast that, "within the next few days" the Quebec Government was expected to issue a special Order-in-Council giving a green light to the whole undertaking.

At least 50 million tons of ore have been confirmed below the waters of Black Lake in Megantic County which will be drained to turn the hidden deposits into an open-pit project. Plans for the lake drainage and the creation of an artificial lake about one and a half miles downstream as well as controlling dams have been filed and accepted by the authorities.

It was stated that the U. S. interests concerned were American Smelting and Refining Company which organization is spending the \$20 million required to bring the deposits to production. The program was described as the first major investment in Canada by this outstanding U. S. Mining organization. Development of the Black Lake underwater deposits has been initiated and carried to this stage by United Asbestos Corporation Limited, Toronto and Montreal. The American and Canadian corporations will operate jointly.

The first mill to be erected on the property will have a capacity of 5,000 tons per day.

This production will be increased as time goes by. Companies such as American Smelting and United Asbestos would not invest capital above the \$20 million bracket without being assured that they will remain permanently here and continue to expand.

#### **UNITED STATES RUBBER COMPANY**

##### **Yearly Report**

Net profit of United States Rubber Co. increased 16 per cent in 1953 to set a new record of \$32,732,300, compared with \$28,169,955 in 1952, according to the company's annual report recently released.

Net sales totaled \$838,451,068, 1 per cent lower than 1952 sales of \$850,151,566. Normal peacetime business was 22 million dollars higher than the year before, but defense business was 34 million dollars lower. Profit was 3.9 per cent of sales and amounted to \$5.19 a share of common stock, compared with 3.3 per cent of sales and \$4.33 a share in 1952.

During the year, 26 million dollars were invested in modernization and expansion projects, the same as in 1952. A new foam rubber plant was started on the West Coast. Various projects were completed to expand production of plastics, Peracril synthetic rubber and agricultural chemicals. A number of textile mills were modernized or expanded.

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**UNITED STATES RUBBER COMPANY**

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**NEW SALES REPRESENTATIVE**  
**For Ruberoid**

The Ruberoid Co. has apponited Leonard Skowronski of Yonkers, New York, to be sales representative for its Insulation Division.

He will serve distributors in New England and southern New York.

## ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

February 1954				
	Par	Low	High	Last
Amer. Br. Shoe (Com).....	np	37½	38½	38½
Amer. Br. Shoe (Pfd).....	100	99	102	102
Armst. Ck. (Com).....	np	59½	64½	64
Armst. Ck. (Pfd).....	np	98½	99½	98½
Armst. Ck. (Conv. Pfd).....	np	118½	128½	127
Asb. Corp. (Com).....	np	25½	26	25½
Carey (Com).....	10	18½	19½	18½
Cassiar Asb. Corp. ....	np	\$6.15	\$6.50	\$6.35
Celotex (Com).....	np	18	19	18½
Celotex (Pfd).....	20	16½	16½	16½
Certainteed (Com).....	1	14½	15	14½
Flintkote (Com).....	np	28½	29½	29½
Flintkote (Pfd).....	np	101	101	101
Johns-Manville (Com).....	np	68½	71½	69½
National Gypsum (Com).....	1	22½	24½	24½
National Gypsum (Pfd).....	np	97½	99½	99½
Pabco Products (Com).....	np	15	16	16
Pabco Products (Pfd).....	100	84	84	84
Ray-Man (Com).....	np	39½	40½	40
Ruberoid (Com).....	np	62½	66½	66½
Thermoid (Com).....	1	6½	7½	7½
Thermoid (Pfd).....	50	40½	41	40½
Union Asb. & Rub. (Com).....	5	8	8½	8½
United Asb. (Com).....	1	\$3.60	\$4.10	\$3.70
U. S. Gypsum (Com).....	20	124	129½	129½
U. S. Gypsum (Pfd).....	100	175	179	177½
U. S. Rubber (Com).....	5	30	32½	31½
U. S. Rubber (Pfd).....	100	142	147½	145½

## AUTOMOBILE SALES

January 1954

Passenger Cars .....	453,378
Motor Trucks .....	96,167
Motor Coaches .....	401
	<hr/>
	549,946

In January 1953, a total of 565,172 motor vehicles were sold.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

## CURRENT RANGE OF PRICE

As of March 10, 1954

### Arizona—

Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

No. 1 Crude (soft) .....	\$1,600.00 to \$1,700.00
No. 2 Crude (soft) .....	1,000.00 to 1,050.00
No. 3 Crude (soft) .....	450.00 to 500.00
Filter Fibre (soft) .....	250.00 to 450.00
No. 1 Crude (semi-soft) .....	1,200.00 to 1,500.00
No. 2 Crude (semi-soft) .....	900.00
No. 3 Crude (semi-soft) .....	400.00

### Canada—

Per Ton (2000 lbs.) f.o.b. Mine

Group No. 1 (Crude No. 1) .....	\$1,100.00 to \$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry .....	500.00 to 1,000.00
Group No. 3 (Spinning Fibre) .....	300.00 to 525.00
Group No. 4 (Shingle Fibre) .....	150.00 to 200.00
Group No. 5 (Paper Fibre) .....	100.00 to 140.00
Group No. 6 (Waste, Stucco or Plaster) .....	77.00
Group No. 7 (Refuse or Shorts) .....	35.00 to 70.00

### Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

Group No. 3 (Spinning & Filtering) .....	\$ 321.00 to \$ 348.00
Group No. 4 (Shingle Fibre) .....	156.00 to 173.00
Group No. 5 (Paper Fibre) .....	110.00 to 132.00
Group No. 6 (Waste, Stucco or Plaster) .....	78.00
Group No. 7 (Refuse or Shorts) .....	37.00 to 68.50

**UNION ASBESTOS & RUBBER CO.**  
**New Appointment**

*Chester S. Stackpole* was recently appointed general sales manager of the Union Asbestos and Rubber Company's Heating and Cooling Division.

Mr. Stackpole, who is well known in the heating and air conditioning fields, was formerly vice president and general sales manager of the Chrysler Corporation's Airtemp division, and vice president of the Eureka-Williams Corporations Williams division, which handled heating and cooling products.

**CYPRUS**

Mineral production and prices dropped from the peak year of 1952. Foreign demand for Cyprus asbestos decreased and the short-fibre variety became more difficult to market abroad. Observers attributed these developments to the cessation of hostilities in Korea and expressed the belief that this marked a return to more nearly normal conditions in the Cyprus mining industry.

**RUBBER & ASBESTOS CORPORATION**

The Rubber & Asbestos Corporation of Bloomfield, N. J., has announced the promotion of Technical Director *Jerome Been* to the position of vice president.

Mr. Been joined the company in 1946, after technical experience in allied industries with such organizations as Ansbacher-Siegle Corp., Angle-Chilean Nitrate Corp., and the technical division of U. S. Maritime commission.

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**A. S. T. M. COMMITTEE C-16—Thermal Insulating Materials**

The effect of moisture and water vapor transmission of insulating materials received considerable attention at the meeting of Committee C-16 on Thermal Insulating Materials and its subcommittees, held from February 3 to 5 during ASTM Committee Week in Washington, D. C. The special research program at Pennsylvania State University has shown good progress, especially in the use of the probe method of measurement on dry materials. However, the proper technique for the measurement of wet materials by this method is requiring more study. A final draft of the proposed method for determining water vapor transmission of materials used in building construction was accepted for letter ballot of the committee.

It was the decision of the committee to discontinue the existing Tentative Methods of Test for Water Vapor Permeability of Sheet Materials Used in Connection with Thermal Insulation (C 214 T), in view of the publication of the Tentative Methods of Test for Measuring Water Vapor Transmission of Materials in Sheet Form (E 96 T). The latter method has essentially the same coverage and therefore can be used for thermal insulating materials.

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## **NATIONAL GYPSUM COMPANY**

### **Annual Report**

National Gypsum Company sales for 1953 totalled \$116,871,438, an 18% increase over 1952. Earnings for the year were \$7,821,323 or \$2.71 per share of common stock while deduction for income taxes amounted to \$12,762,526 or \$4.69 per share. This included \$2,030,000 for Excess Profit Taxes.

1952 earnings were \$7,249,480 or \$2.84 per share, computed on the smaller number of common shares outstanding last year.

The highlights of 1953 for National Gypsum were summarized as the successful organization and operation of a sales training program to prepare for more competitive conditions, the acquisition of two extensive gypsum deposits, and the completion of the company's million dollar research laboratory.

## **THE FLINTKOTE COMPANY**

Flintkote, one of the country's leading manufacturers of building materials, recently announced that its net sales for 1953 were \$90,250,000—an increase of more than \$6,000,000 over 1952.

In his report, I. J. Harvey, Jr., president of the company stated the trend toward more attractive and functional homes has developed a vigorous desire for building materials for modernization of existing structures.

## **JOHNS-MANVILLE**

W. Allen Cowles, Building Products Division member at Syracuse and formerly Assistant District Engineer, was honored on the occasion of his retirement at a luncheon in Syracuse. In attendance were many of his associates and friends who have known him during his more than 42 years of service with J-M.

William B. Hill, Office Manager of the Nashua (N.H.) and Billerica Plants was honored at a testimonial dinner on the occasion of his retirement after 41 years of service.



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#### **COLONY AND PROTECTORATE OF KENYA**

Asbestos (Anthophyllite)—*Makinyambu Asbestos Mines, Ltd.*, continued the installation of plant at their property in the Taita Hills and at the same time continued with experimental work. *Manufactures (E.A.), Ltd.*, continued to operate in West Suk and exported 230 tons of fibre. *J. A. Valpy* at Kapuria, west of the Suam River, confined most of his activities to exploratory work.

(The above has been taken from the Annual Report for 1952, issued by the Mines and Geological Department.)

#### **THE RUBEROID CO. OPENS**

##### **Warehouse in Denver**

The Ruberoid Co. has recently opened a newly-built warehouse in Denver, Colorado. Completion of the structure is another step in the Company's plans for serving the Rocky Mountain area.

The building—a modern, fireproof structure containing 32,000 square feet of floor space—will be distribution center for Ruberoid's asphalt and asbestos building materials. This will include both Ruberoid and Old American lines. Arrangements were made to manufacture asphalt roofing in the area when a new factory was formally opened in Denver in August 1953. Asbestos-cement products are also being supplied from the company plants in St. Louis, Missouri and Dallas, Texas.

#### **HENNIG ASBESTOS & PACKING CO.**

In keeping with the growth of the company and to expand the organization for better customer service, the Hennig Asbestos and Packing Company have incorporated under the laws of the State of Illinois.

They have also announced that Roy Nelson has joined the organization as an executive, and will lend his experience to the sales force. Mr. Nelson has been identified with the packing and gasket business in Chicago for many years.

#### **CASSIAR ASBESTOS CORPORATION LTD.**

Cassiar Asbestos Corporation Limited, now expects its new 500-ton milling plant will be ready for operation in June of this year, though delays in equipment delivered make it improbable that the aerial tramway will be completed before the close of the 1954 mining season. This will not affect production, however. The company is currently treating some 250 tons per day in its temporary mill which is only capable of partial recovery of asbestos fibre.

#### **W. E. SINCLAIR, M.I.M.M.**

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